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CR-133823

THE UTILIZATION OF ERTS-I-GENERATED PHOTOGRAPHS IN THE EVALUATION OF  
THE IRANIAN PLAYAS AS POTENTIAL LOCATIONS FOR ECONOMIC AND ENGINEERING  
DEVELOPMENT

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Type I Progress Report for Period 1 July - 31 August 1973

Prepared for:

Goddard Space Flight Center  
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E73-11026) THE UTILIZATION OF ERTS-1  
GENERATED PHOTOGRAPHS IN THE EVALUATION  
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LOCATIONS FOR ECONOMIC AND (Geological  
Survey) 2 p HC \$3.00

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Unclas  
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Type I Progress Report  
ERTS-I

- a. Title: The Utilization of ERTS-I Generated Photographs in the Evaluation of the Iranian Playas as Potential Locations for Economic and Engineering Development

ERTS-I Proposal No.: SR 195

- b. GSFC 10 No. of P.I.: IN 037
- c. No problems were encountered during this reporting period.
- d. Accomplishments during the reporting period include:
1. Examinations of false color diazo prints of Qom Playa, 100 km southeast of Tehran, indicate that in 1972 there was a dramatic flooding of the western part of the playa during the first 3 weeks in December. Some additional flooding occurred in early January 1973, but the maximum inundation was attained by mid-May 1973. At that time, the northwestern quarter of the playa was covered with water, and the remaining salt crust was locally flooded.
  2. By accentuating Band 5 (silt) and muting Band 7 (water), the dense silt plumes that are conspicuous in Qom Playa in December may be compared with the very thin plumes that are present in May. At the latter time, most of the water inflow is from the toes of alluvial fans rather than from the major streams.
- e. There are no scientific results at this time.
- f. No papers have been published to date.
- g. There are no recommendations at this time.
- h. No changes (corrections) were made in the Standing Order Forms during this reporting period.
- i. There are no ERTS Image Description forms completed at this time.
- j. No Data Request forms have been used during this reporting period.